

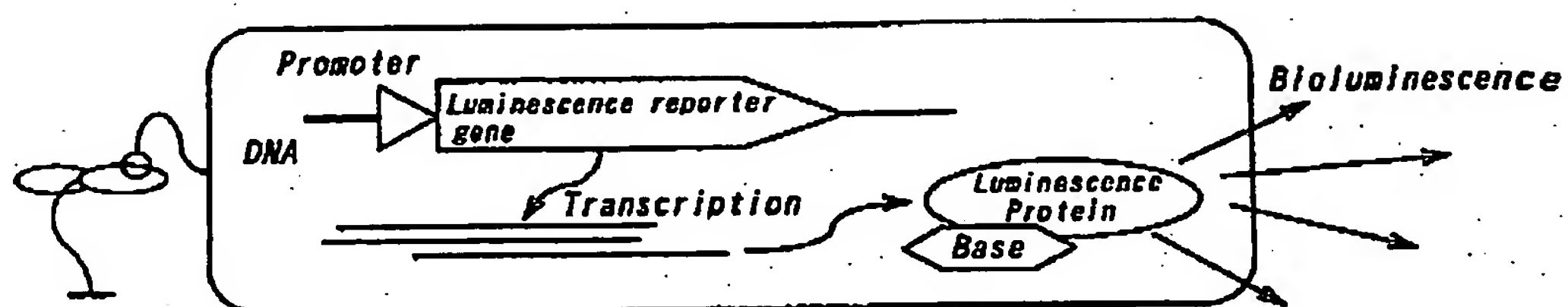
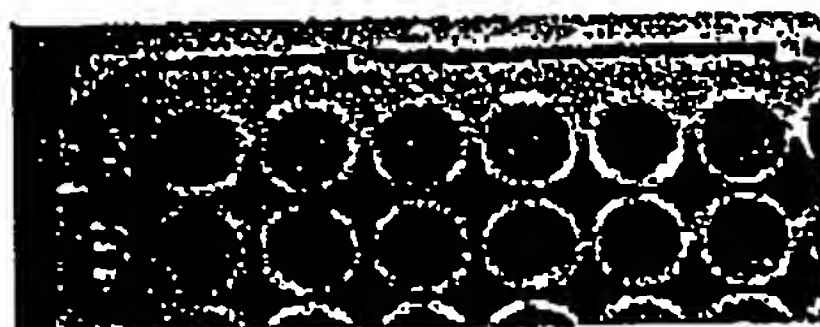
**FIG. 1A****FIG. 1B**

FIG. 2

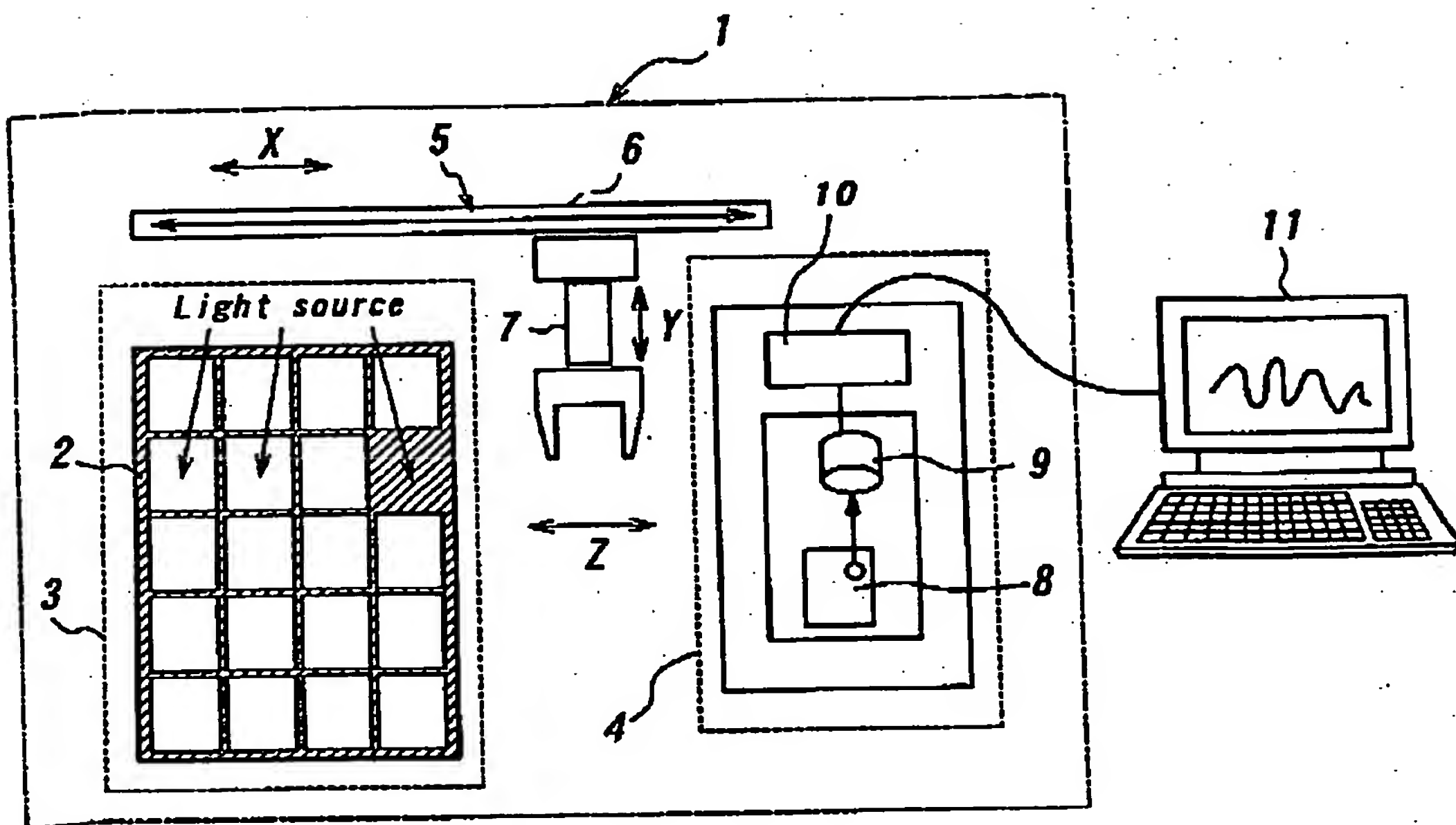


FIG. 3

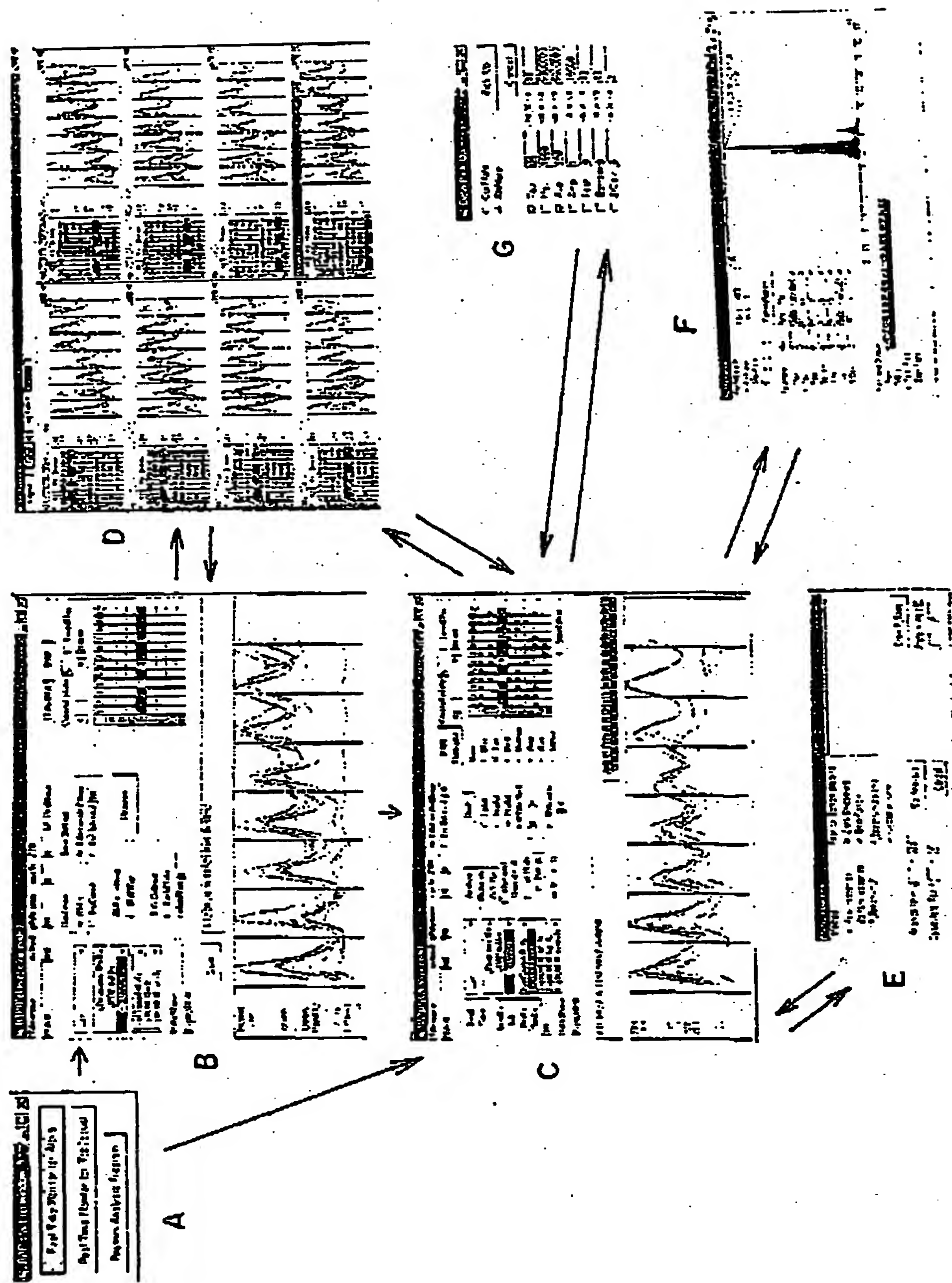


FIG. 4

**3A**

RAP start up window

Real Time Monitor for Aloka

Real Time Monitor for TopCount

Rhythm Analysis Program

**3G**

Data Pick Up

☐ OurPlate  
☒ AllPlate

Pick Up

Cancel

<input checked="" type="checkbox"/> Tau	12	<= X <=	48
<input type="checkbox"/> Max	1000	<= X <=	9000000
<input checked="" type="checkbox"/> Ave	600	<= X <=	9000000
<input type="checkbox"/> Amp	1	<= X <=	10000
<input type="checkbox"/> Peak	0	<= X <=	48
<input type="checkbox"/> Bottom	0	<= X <=	48
<input type="checkbox"/> StDev	0	<= X <=	2

**3B**

Analysis params

Method

☒ Peak recognize  
☐ Bottom recognize  
☐ P\_Spectrum\_1

☒ Data Smoothing  
☒ Error Farrow  
☐ P\_Spectrum params  
☒ Circadian Only

Analyze term 0 - 1000  
 Calculate Tau 12 - 36

Do Analysis

Cancel

Draw P\_Spec

Plate - Well ID

**3F**

Histogram

☒ All Plates  
☐ One Plate

X axis: 400  
 Y axis: 0

Plot Histogram

Parameter	Min	Rate	Max
Max	0	10000	10000000
Tau	0	0.1	48
Peak	0	0.1	48
Bottom	0	0.1	48
Ave	0	0.1	10
StDev	0	0.1	10

Print and Output  
 Print  
 Total  
 Total Plate  
 Each Plate

FIG. 5

3B

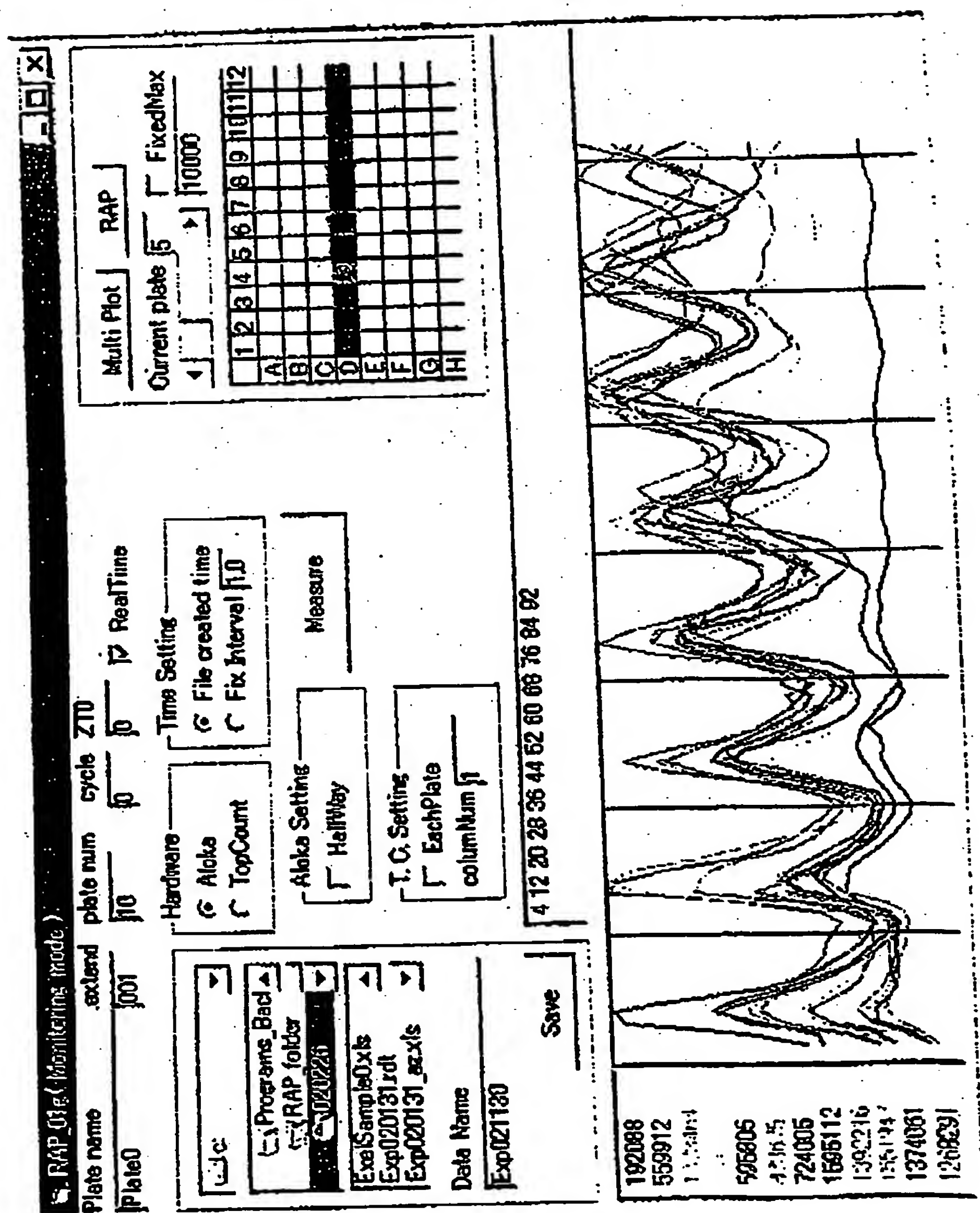


FIG. 6

3C

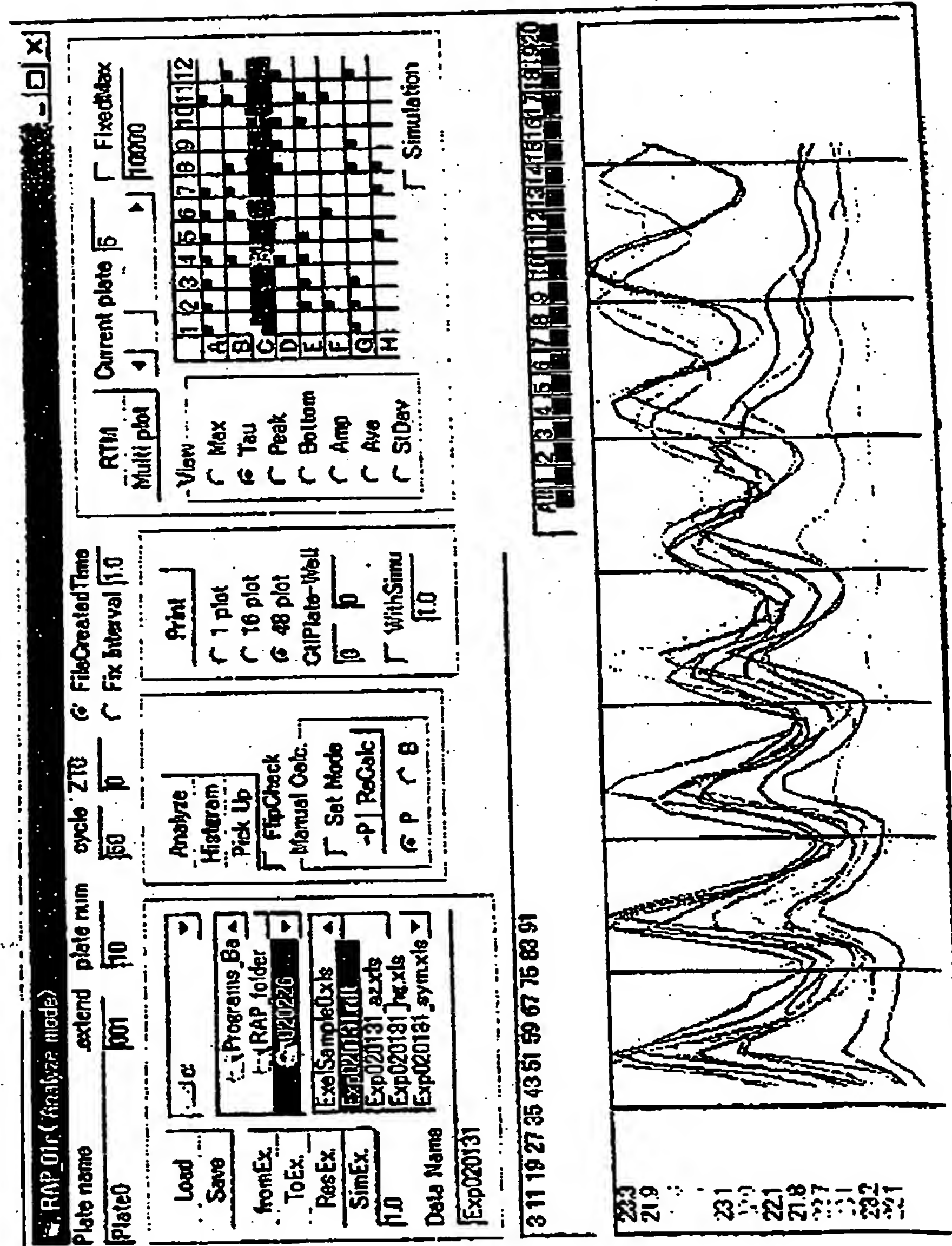


FIG. 7

